



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

D350-578-011  
Job Sheet 204305



Part No: D350-578-011

Job Qty: 4 pcs

Part Name: AS350/AS355 Bearpaws



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 12/6/19

Job Tracking No:

Created By: Marie Lajeunesse

Due Date: 12/27/19

Type: Stock

Description:

Note: DWG REV H SHEET 12 IPP Rev:A New Issue 07-01-02 JLM IPP Rev:B 08-01-09 Added Step 2 JLM Verified  
By:EC IPP Rev:C 08-10-15 New Manufacturing Method JLM Verified By:EC

Ship Via:

Bill of Materials

Job Routing

| Op<br>No | Operation              | Qty   | Start Date | Due<br>Date | Standard     |            | Workcenter/Supplier   |           | Sign-off    |
|----------|------------------------|-------|------------|-------------|--------------|------------|-----------------------|-----------|-------------|
|          |                        |       |            |             | Setup<br>Hrs | Run<br>Hrs | Workcenter / Supplier | Lead Time |             |
| 160      | Packaging 1 - Pick Kit | 4 pcs | 12/27/19   |             | 0.00         | 0.00       | Packaging 1 - 1       |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 2       |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 3       |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 4       |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 5       |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 6       |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 7       |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 8       |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 9       |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 10      |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 11      |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 12      |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 13      |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 14      |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 15      |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 16      |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 17      |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 18      |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 19      |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 20      |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 21      |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 22      |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 23      | PL        | JAN 06 2020 |
|          |                        |       |            |             |              |            | Packaging 1 - 24      |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 25      |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 26      |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 27      |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 28      |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 29      |           |             |
|          |                        |       |            |             |              |            | Packaging 1 - 30      |           |             |



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
CANADA  
TEL.: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

Container No: S245018



Part: D350-578-011

Job No: 204305

Serial No/Batch: S245018

Revision:

Inspector:

Exp Date:

Instructions: TC STC SH93-4 Issue 10, FAA STC SR000281

|                                                               |       |          |           |                        |       |
|---------------------------------------------------------------|-------|----------|-----------|------------------------|-------|
|                                                               |       |          |           | Packaging 1 - 31       |       |
|                                                               |       |          |           | Packaging 1 - 32       |       |
|                                                               |       |          |           | Packaging 1 - 33       |       |
|                                                               |       |          |           | Packaging 1 - 34       |       |
|                                                               |       |          |           | Packaging 1 - 35       |       |
|                                                               |       |          |           | Packaging 1 - 36       |       |
|                                                               |       |          |           | 170 QC 4               | 4 pcs |
| QC 4 - 58                                                     |       |          |           |                        |       |
| QC 4 - 69                                                     |       |          |           |                        |       |
| QC 4 - 9                                                      |       |          |           |                        |       |
| QC 4 - 46                                                     |       |          |           |                        |       |
| QC 4 - 68                                                     |       |          |           |                        |       |
| QC 4 - 72                                                     |       |          |           |                        |       |
| QC 4 - 74                                                     |       |          |           |                        |       |
| QC 4 - 75                                                     |       |          |           |                        |       |
| QC 4 - 78                                                     |       |          |           |                        |       |
| 180 Packaging 3-1 - Stock - B4B                               | 4 pcs | 12/27/19 | 0.00 0.00 |                        |       |
|                                                               |       |          |           | Packaging 3 - 2 - B4B  |       |
|                                                               |       |          |           | Packaging 3 - 3 - B4B  |       |
|                                                               |       |          |           | Packaging 3 - 4 - B4B  |       |
|                                                               |       |          |           | Packaging 3 - 5 - B4B  |       |
|                                                               |       |          |           | Packaging 3 - 6 - B4B  |       |
|                                                               |       |          |           | Packaging 3 - 7 - B4B  |       |
|                                                               |       |          |           | Packaging 3 - 8 - B4B  |       |
|                                                               |       |          |           | Packaging 3 - 9 - B4B  |       |
|                                                               |       |          |           | Packaging 3 - 10 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 11 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 12 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 13 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 14 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 15 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 16 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 17 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 18 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 19 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 20 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 21 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 22 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 23 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 24 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 25 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 26 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 27 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 28 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 29 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 30 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 31 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 32 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 33 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 34 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 35 - B4B |       |
|                                                               |       |          |           | Packaging 3 - 36 - B4B |       |
| 185 DC - 1 - B4B                                              | 4 pcs | 12/27/19 | 0.00 0.00 | DC - 1 - B4B           |       |
| 190 QC 21 - FG                                                | 4 pcs | 12/27/19 | 0.00 0.00 | DC - 2 - B4B           |       |
|                                                               |       |          |           | QC 21 - FG - 21        |       |
|                                                               |       |          |           | QC 21 - FG - 70        |       |
|                                                               |       |          |           | QC 21 - SA - 53        |       |
| Part Op 160 - (Pick Kit)                                      |       |          |           |                        |       |
| Descriptions: 170 - (QC4- 100% Inspect kits for completeness) |       |          |           |                        |       |

DAS  
78  
9-89  
JAN 0 6 2020

DAS  
78  
9-89  
JAN 0 6 2020

DAS  
21  
9-89  
JAN 0 7 2020

DAS  
21  
9-89  
JAN 0 7 2020

FG013

180 - Identify and pack for shipping as per PPP D350-578-011  
185 - (Document Control) Photocopy bluefile and create labels per PPP D350-578-011 CHG006  
190 - (QC21- Final Inspection - Work Order Release)

| Job BOM       |                   |                 |                            |           |
|---------------|-------------------|-----------------|----------------------------|-----------|
| Part / Item   | Component Name    | Quantity        | Operation                  | Container |
| AN4-16A       | Bolt              | 48 Ea (12 ea)   | 160-Packaging 1 - Pick Kit | 5233743   |
| D2432         | Bearpaw 19" X 24" | 8 pcs (2 ea)    | 160-Packaging 1 - Pick Kit | 5230589   |
| D2529         | Washer            | 48 pcs (12 ea)  | 160-Packaging 1 - Pick Kit | 5194881   |
| D3601-1       | Reduc. Block      | 48 pcs (12 ea)  | 160-Packaging 1 - Pick Kit | 5212120   |
| D4011-1       | Clamp - Short     | 24 pcs (6 ea) ✓ | 160-Packaging 1 - Pick Kit | 5232932 ✓ |
| D4012-1       | Cushion           | 24 pcs (6 ea)   | 160-Packaging 1 - Pick Kit | 5209120   |
| MS21042L4     | Nut               | 48 Ea (12 ea)   | 160-Packaging 1 - Pick Kit | 5228617   |
| NAS1149D0463J | Washer            | 96 Ea (24 ea)   | 160-Packaging 1 - Pick Kit | 5225596   |

| Job Allocations            |                |          |           |           |
|----------------------------|----------------|----------|-----------|-----------|
| Operation                  | Component Part | Required | Inventory | Allocated |
| 160-Packaging 1 - Pick Kit | AN4-16A        | 48       | 530       | 0         |
|                            | D2432          | 8        | 35        | 0         |
|                            | D2529          | 48       | 778       | 0         |
|                            | D3601-1        | 48       | 145       | 0         |
|                            | D4011-1        | 24       | 107       | 0         |
|                            | D4012-1        | 24       | 304       | 0         |
|                            | MS21042L4      | 48       | 4,166     | 0         |
|                            | NAS1149D0463J  | 96       | 5,327     | 0         |

| Part Specifications                |  |
|------------------------------------|--|
| Specifications could not be found. |  |

Plex 12/6/19 8:31 AM Dart.lajeunesse.marie

Entered: \_\_\_\_\_ Date: \_\_\_\_\_

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐



|                                                                                                                                                                                                                                                                                                                                                                                     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |              |  |                        |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|--|------------------------|--|
| Job: _____<br>Part No. _____                                                                                                                                                                                                                                                                                                                                                        |             | DISPOSITION<br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | DEPARTMENT/PROCESS<br>Skid-tube <input type="checkbox"/><br>Machining <input type="checkbox"/><br>Large Fab <input type="checkbox"/><br>Cross tube <input type="checkbox"/><br>Small Fab <input type="checkbox"/><br>Finishing <input type="checkbox"/><br>Eng. (Non-AW) <input type="checkbox"/><br>Prod. Eng. Coord. <input type="checkbox"/><br>Rec/Store/Packaging <input type="checkbox"/><br>Engineering <input type="checkbox"/><br>Water Jet <input type="checkbox"/><br>Supplier <input type="checkbox"/><br>Quality <input type="checkbox"/> |  |              |  |                        |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                              | Sequence #: | QTY Affected :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | MRB (QS1042)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |              |  |                        |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                    |             | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |              |  |                        |  |
| <b>Root Cause</b><br>Operator <input type="checkbox"/><br>Manufacturing Process <input type="checkbox"/><br>Equip/Tooling <input type="checkbox"/><br>Handling/Preservation <input type="checkbox"/><br>Material <input type="checkbox"/><br>Product Improvement <input type="checkbox"/><br>Process Improvement <input type="checkbox"/><br>Human Factors <input type="checkbox"/> |             | <b>FAULT CATEGORY</b><br>Pressure/Forced <input type="checkbox"/><br>Bending <input type="checkbox"/><br>Crushing <input type="checkbox"/><br>Cracks <input type="checkbox"/><br>Crimp/Kink/Ripple/Wave/Twist <input type="checkbox"/><br>Marks/Chatter <input type="checkbox"/><br>Mislabeled <input type="checkbox"/><br>Other/Details: _____<br>Contamination <input type="checkbox"/><br>Misaligned/off center <input type="checkbox"/><br>BOM/Route <input type="checkbox"/><br>Broken/Damage/Defect <input type="checkbox"/><br>Incomplete/Unclear Instructions <input type="checkbox"/><br>Drill Holes <input type="checkbox"/><br>Fit/Function <input type="checkbox"/><br>Power Loss/Surge <input type="checkbox"/><br>Folio/Program <input type="checkbox"/><br>Grain Direction <input type="checkbox"/><br>Weld <input type="checkbox"/><br>Wrong Stock Pulled <input type="checkbox"/><br>Out of Sequence <input type="checkbox"/><br>Off-set/Set-up <input type="checkbox"/><br>Positioned Wrong <input type="checkbox"/><br>Outside Tolerance <input type="checkbox"/><br>Drawing <input type="checkbox"/><br>Finish <input type="checkbox"/><br>Part Lost/Missing <input type="checkbox"/><br>Misread <input type="checkbox"/> |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | Completed By |  |                        |  |
|                                                                                                                                                                                                                                                                                                                                                                                     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |              |  | Lead hand / Supervisor |  |
|                                                                                                                                                                                                                                                                                                                                                                                     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |              |  | QC / QA Coordinator    |  |
|                                                                                                                                                                                                                                                                                                                                                                                     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |              |  |                        |  |

5.0 PARTS LIST

5.1 D350-578-011/-013/-015/-017/-021 BEARPAW INSTALLATION

| Qty<br>-011 | Qty<br>-013 | Qty<br>-015 | Qty<br>-017 | Qty<br>-021 | Qty<br>-031 | Part Number  | Description                   |
|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------------------------|
| X           |             |             |             |             |             | D350-578-011 | BEARPAW INSTALLATION          |
|             | X           |             |             |             |             | D350-578-013 | BEARPAW INSTALLATION          |
|             |             | X           |             |             |             | D350-578-015 | BEARPAW INSTALLATION          |
|             |             |             | X           |             |             | D350-578-017 | BEARPAW INSTALLATION          |
|             |             |             |             | X           |             | D350-578-021 | BEARPAW INSTALLATION          |
|             |             |             |             |             | X           | D350-578-031 | WEARPLATE KIT                 |
|             |             |             |             |             |             |              |                               |
|             |             |             |             |             |             | D2432F       | Bearpaw                       |
|             |             | 2           |             |             |             | D2432-3      | Bearpaw                       |
| 12          | 12          | 12          | 12          | 12          |             | D2529        | Washer                        |
|             |             |             |             | 2           |             | D2672F       | Bearpaw                       |
| 12          | 12          | 12          | 12          | 12          |             | D3601-1      | Radius Block (Replaces D2274) |
|             |             |             |             |             | 2           | D3859-041    | Wearplate                     |
| 6           | 6           | 6           | 6           | 6           |             | D4011-1      | Clamp (Replaces D2438)        |
| 6           | 6           | 6           | 6           | 6           |             | D4012-1      | Cushion (Replaces D2182B050)  |
|             | 2           |             |             |             |             | D4297-1      | Bearpaw                       |
|             |             |             | 2           |             |             | D4297-3      | Bearpaw                       |
|             |             |             |             |             |             |              |                               |
| 12          | 12          |             |             | 12          | 12          | AN4-16A      | Bolt                          |
|             |             | 12          | 12          |             | 12          | AN4-17A      | Bolt                          |
| 24          | 24          | 24          | 24          | 24          | 24          | NAS149D0463J | Washer                        |
| 12          | 12          | 12          | 12          | 12          | 12          | MS21042L4    | Nut (or MS21042-4)            |

5.2 D350-578-111/-113/-115/-117/-121 BEARPAW INSTALLATION

| Qty<br>-111 | Qty<br>-113 | Qty<br>-115 | Qty<br>-117 | Qty<br>-121 | Part Number  | Description          |
|-------------|-------------|-------------|-------------|-------------|--------------|----------------------|
| X           |             |             |             |             | D350-578-111 | BEARPAW INSTALLATION |
|             | X           |             |             |             | D350-578-113 | BEARPAW INSTALLATION |
|             |             | X           |             |             | D350-578-115 | BEARPAW INSTALLATION |
|             |             |             | X           |             | D350-578-117 | BEARPAW INSTALLATION |
|             |             |             |             | X           | D350-578-121 | BEARPAW INSTALLATION |
|             |             |             |             |             |              |                      |
| 1           |             |             |             |             | D350-578-011 | Bearpaw Installation |
|             | 1           |             |             |             | D350-578-013 | Bearpaw Installation |
|             |             | 1           |             |             | D350-578-015 | Bearpaw Installation |
|             |             |             | 1           |             | D350-578-017 | Bearpaw Installation |
|             |             |             |             | 1           | D350-578-021 | Bearpaw Installation |
| 1           | 1           | 1           | 1           | 1           | D350-578-031 | Wearplate Kit        |



RELEASED  
5/6/50

PPP

|             |              |                 |              |           |             |
|-------------|--------------|-----------------|--------------|-----------|-------------|
| Part Number | D350-578-011 | Box Part Number | BX03         | Dimension | 24 x 4 x 20 |
| Description | Bearpaw      | Other Packaging | Uline S16763 | Dimension |             |
|             |              | Logo Decals     |              |           |             |

#### Packaging Instructions and Decal Placement

##### D350-578-011

Wrap hardware in Dart bag and place in bore of bearpaw. Place the bearpaw into box. Insert second bearpaw into box on top of other bearpaw. Place paperwork on top of bearpaws. Add scrunched up bubble wrap to prevent any movement. Seal box and apply label D2729-3 as per instructions in QSI 014.

D2729-4

D2729-3

N/A

|                          |                                                                                                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------|
|                          | <b>Dart Aerospace Ltd.</b><br>1270 Aberdeen Street<br>Hawkesbury, ON K6A 1K7<br>CANADA<br>TEL: 1 613 632-5200 |
| <b>BEARPAW</b>           |                                                                                                               |
| <b>P/N: D350-578-011</b> | <b>CHG006</b>                                                                                                 |
| <b>B/N: BXXXXXX</b>      |                                                                                                               |

Revision: D  
Date: 15.05.27

5/6/50